



Datasheet for ABIN1169196

anti-IDO1 antibody



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1 Image

5 Publications

Overview

Quantity:	100 µg
Target:	IDO1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant human IDO.
Specificity:	Recognizes human IDO. Detects a band of ~45 kDa by Western blot.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	IDO1
Alternative Name:	IDO (IDO1 Products)
Background:	IDO catalyzes the first and rate-limiting step in the main pathway of human tryptophan catabolism, the kynurenine pathway. Proinflammatory mediators, such as endotoxin and IFN-gamma induce the expression of IDO in several tissues. IDO-dependent suppression of T-cell responses might function as natural immunoregulatory mechanism. Physiological IDO activity has been implicated in T-cell tolerance to tumors, dysfunctional selftolerance in non-obese

Target Details

diabetic (NOD) mice, and as a protective negative regulator in autoimmune disorders.

UniProt: [P14902](#)

Pathways: [Activated T Cell Proliferation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months

Publications

Product cited in: Yoshida, Taguchi, Kawana, Ogishima, Adachi, Kawata, Nakamura, Sato, Fujimoto, Inoue, Tomio, Mori, Nagamatsu, Arimoto, Koga, Hiraike, Oda, Kiyono, Osuga, Fujii: "Intraperitoneal neutrophils activated by KRAS-induced ovarian cancer exert antitumor effects by modulating adaptive immunity." in: **International journal of oncology**, Vol. 53, Issue 4, pp. 1580-1590, (2018) ([PubMed](#)).

Henderson, Hobbs, Mathies, Hogg: "Rapid recruitment of inflammatory monocytes is independent of neutrophil migration." in: **Blood**, Vol. 102, Issue 1, pp. 328-35, (2003) ([PubMed](#)).

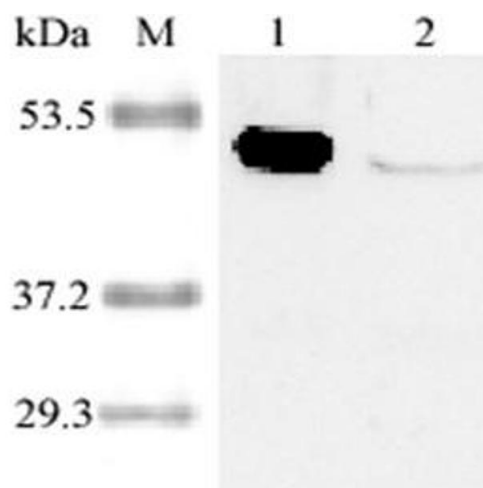
de Vries, Köhl, Leclercq, Wolfs, van Bijnen, Heeringa, Buurman: "Complement factor C5a mediates renal ischemia-reperfusion injury independent from neutrophils." in: **Journal of**

immunology (Baltimore, Md. : 1950), Vol. 170, Issue 7, pp. 3883-9, (2003) ([PubMed](#)).

Tacchini-Cottier, Zweifel, Belkaid, Mukankundiye, Vasei, Launois, Milon, Louis: "An immunomodulatory function for neutrophils during the induction of a CD4+ Th2 response in BALB/c mice infected with *Leishmania major*." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 165, Issue 5, pp. 2628-36, (2000) ([PubMed](#)).

Al-Qaoud, Pearlman, Hartung, Klukowski, Fleischer, Hoerauf: "A new mechanism for IL-5-dependent helminth control: neutrophil accumulation and neutrophil-mediated worm encapsulation in murine filariasis are abolished in the absence of IL-5." in: **International immunology**, Vol. 12, Issue 6, pp. 899-908, (2000) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of human IDO using anti-IDO (human), pAb at 1:2,000 dilution. 1. Recombinant human IDO (His tagged). 2. PHA- treated human peripheral blood lymphocyte lysate.